

Please amend the application as follows:

In the Claims

Please amend Claims 1, 6-13, 18, 20, 25, 28-29, 35, 37, 43 and 47 as follows.

Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (pages i - v).

1. (Four Times Amended) A complex comprising semi-purified or pure SV40 VP1 capsid protein or a mixture of VP1 and at least one other SV40 capsid protein; and a non-viral constituent selected from the group consisting of:

- a) a purified exogenous DNA, or a purified exogenous DNA encoding an exogenous protein or peptide, or a purified exogenous DNA encoding RNA;
- b) a vector comprising any of the purified exogenous DNAs of a);
- c) a purified exogenous RNA, or a purified exogenous RNA encoding an exogenous protein or peptide;
- d) a vector comprising any of the purified exogenous RNAs of c); or
- e) purified exogenous antisense RNA, purified exogenous ribozyme RNA or any purified exogenous RNA or purified exogenous DNA which inhibits or prevents the expression of undesired protein or proteins in said mammalian cell; and further comprising operatively linked elements sufficient for one or more of the following:
- (i) replication of said constituent;
- (ii) expression of said constituent; and
- (iii) prevention of expression of said undesired protein or proteins; in said mammalian cell.

6. (Four Times Amended) A complex according to Claim 1 wherein said non-viral constituent is:

- (a) purified exogenous circular or linear DNA;
- (b) purified exogenous circular or linear DNA encoding a protein or peptide; or

(c) purified exogenous circular or linear DNA encoding RNA.

7. (Four Times Amended) A complex according to Claim 6 wherein said purified exogenous DNA is DNA which encodes a protein or peptide, wherein said protein or peptide is not made or contained in said cell prior to infection with the construct, or is purified exogenous DNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in said cell in an amount insufficient for proper cell function prior to infection with the construct, or is purified exogenous DNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in said cell in a form inadequate for proper cell function prior to infection with the construct, or encodes a RNA.

8. (Amended) A complex according to Claim 7 wherein said protein or peptide is an enzyme, a receptor, a structural protein, a regulatory protein or a hormone.

9. (Thrice Amended) A complex according to Claim 1 further comprising SV40 *ori* DNA sequence as a replication regulatory element and further comprising a purified exogenous DNA sequence encoding one or more regulatory elements sufficient for the expression of said exogenous RNA or exogenous protein or peptide in said mammalian cell.

10. (Thrice Amended) A complex according to Claim 1 wherein said constituent is purified exogenous RNA, wherein said purified exogenous RNA is RNA which encodes a protein or peptide which is not made or contained in said cell prior to infection with the construct, or is purified exogenous RNA which encodes a protein or peptide which is made or contained in said cell in an amount insufficient for proper cell function prior to infection with the construct, or is purified exogenous RNA which encodes a protein or peptide which is made or contained in said cell in a form, inadequate for proper cell function prior to infection with the construct, said purified exogenous RNA having regulatory elements, including translation signal or signals sufficient for the translation of said protein or peptide in said mammalian cell, operatively linked thereto.

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11. (Amended) A complex according to Claim 10 wherein said protein or peptide is an enzyme, a receptor, a structural protein, a regulatory protein or a hormone.

12. (Thrice Amended) A complex according to Claim 1 wherein said non-viral constituent is an exogenous protein or peptide which is, respectively, a protein or peptide which is not made or contained in said cell prior to infection with the construct, or is a protein or peptide which is made or contained in said cell in an amount insufficient for proper cell function prior to infection with the construct, or is a protein or peptide which is made or contained in said cell in a form inadequate for proper cell function prior to infection with the construct.

13. (Thrice Amended) A complex according to Claim 1 wherein said non-viral constituent is purified exogenous antisense RNA or DNA or purified exogenous ribozyme RNA, or any purified exogenous RNA or purified exogenous DNA which inhibits or prevents the expression of undesired protein or proteins in said mammalian cell.

18. (Four Times Amended) A method for the *in vitro* construction of SV40 viruses or pseudoviruses comprising purified exogenous non-viral nucleic acid comprising the following steps:

- allowing a semi-purified or pure SV40 VP1 capsid protein or a mixture of VP1 and at least one other SV40 capsid protein to self-assemble into SV40-like particles; and
- bringing the SV40-like particles assembled in step (a) into contact with said purified exogenous non-viral nucleic acid to give *in vitro* constructed viruses, or into contact with a vector comprising said purified exogenous nucleic acid to give pseudoviruses.

20. (Thrice Amended) A method according to Claim 18 wherein in step (a) at least one other SV40 protein, preferably SV40 agnprotein, is added to the mixture of said SV40 capsid protein or proteins and said purified exogenous nucleic acid.

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25. (Thrice Amended) A method according to Claim 22 wherein said purified exogenous DNA is DNA which encodes a protein or peptide product, wherein said protein or peptide is not made or contained in said cell prior to infection with the construct, or is purified exogenous DNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in said cell in an amount insufficient for proper cell function prior to infection with the construct, or is purified exogenous DNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in said cell in a form inadequate for proper cell function prior to infection with the construct, or is purified exogenous DNA which encodes RNA.

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28. (Thrice Amended) A method according to Claim 18 wherein said non-viral exogenous nucleic acid is purified exogenous RNA, wherein said purified exogenous RNA is RNA which encodes a protein or peptide, wherein said protein or peptide is not made or contained in said cell prior to infection with the construct, or is purified exogenous RNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in an amount insufficient for proper cell function prior to infection with the construct, or is purified exogenous RNA which encodes a protein or peptide, wherein said protein or peptide is made or contained in said cell in a form inadequate for proper cell function prior to infection with the construct, and wherein said purified exogenous RNA has regulatory elements, including translation signal, sufficient for the translation of said protein in said mammalian cell, operatively linked thereto.

29. (Thrice Amended) A method for the *in vitro* construction of SV40 viruses or pseudoviruses comprising a non-viral constituent, wherein the non-viral constituent comprises a purified exogenous protein or peptide comprising the following steps.

- allowing a semi-purified or purified SV40 VP1 capsid protein or a mixture of VP1 and at least one other SV40 capsid protein to self-assemble into SV40-like particles; and
- bringing the SV40-like particles assembled in step (a) into contact with said purified exogenous protein to give *in vitro* constructed SV40 viruses or pseudoviruses.